



COUNTY OF SAN DIEGO
Great Government Through the General Management System – Quality, Timeliness, Value
DEPARTMENT OF HUMAN RESOURCES

CLASS SPECIFICATION

CLASSIFIED

PLUMBER ASSISTANT
PLUMBER
SENIOR PLUMBER

Class No. 006230
Class No. 005950
Class No. 005953

■ CLASSIFICATION PURPOSE

To perform a wide variety of plumbing tasks for county facilities such as buildings and institutions; and to perform related work.

■ DISTINGUISHING CHARACTERISTICS

Plumber Assistant:

This is the entry-level class in the series. Under direct supervision, Assistant Plumbers assist journey-level Plumbers and perform the less complex plumbing assignments independently.

Plumber:

This is the journey-level class in the series. Under general supervision, Plumbers independently perform full range of plumbing and job set up work.

Senior Plumber:

This the lead-worker class in the series. Senior Plumbers perform the most difficult work and are responsible for the technical guidance and training of plumbers assigned to a crew or project.

■ FUNCTIONS

The examples of functions listed in the class specification(s) are representative but not necessarily exhaustive or descriptive of any one position in the class(es). Management is not precluded from assigning other related functions not listed herein if such duties are a logical assignment for the position.

Plumber Assistant

Essential Functions:

1. Installs, maintains, and repairs gas, water, vacuum, steam, waste, and sewer pipes for various systems such as: irrigation, sprinkler, gas pumps, and heating.
2. Sets fixtures and installs pumps, valves, controls, and pump drains.
3. Tests plumbing, steam, air and water heating systems.
4. Inspects systems for repair needs.
5. Provides responsive, high quality service to County employees, representatives of outside agencies and members of the public by providing accurate, complete and up-to-date information, in a courteous, efficient and timely manner.

Plumber

Essential Functions:

All the duties listed above and

1. Estimates materials for labor costs.
2. Orders materials and supplies.
3. Reports on jobs and projects in progress.

Senior Plumber

Essential Functions:

All the duties listed above and

1. Leads a crew involved in plumbing work.
2. Coordinates the work of related crafts.
3. Assigns work to crew or project members.
4. Issues material lists for each job assigned.
5. Checks and completes work records.

■ KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of:

The following apply to all classes:

- Plumbing codes.
- Tools, equipment, and materials used in plumbing.
- Work safety practices.
- Installation and repair of iron, copper, PVC, and AC pipe.
- Installation, maintenance, and repair of stoves, heaters, control valves, pump sprinkler, and gasoline systems.
- Low voltage electricity.
- Basic arithmetic.
- County customer service objectives and strategies.

Plumber (in addition to the above):

- Water treatment.
- Blueprint reading and interpretation.
- Isometric drawings.

Senior Plumber (in addition to the above):

- Methods and techniques of oxyacetylene and electric welding.
- Practices of supervision and training.

Skills and Abilities to:

The following apply to all classes:

- Operate hand and power tools associated with plumbing and welding including torch, coring and equipment, motorized pipe threader, sawzall, angle drill, jackhammer, etc.
- Read and understanding piping and blueprint layouts.
- Read and interpret oral and written instructions.
- Communicate effectively orally and in writing.
- Establish effective working relationships with management, employees, employee representatives and the public representing diverse cultures and backgrounds.
- Treat County employees, representatives of outside agencies and members of the public with courtesy and respect.
- Assess the customer's immediate needs and ensure customer's receipt of needed services through personal service or referral.
- Exercise appropriate judgment in answering questions and releasing information; analyze and project consequences of decisions and/or recommendations.

Senior Plumber (in addition to the above):

- Read and understand isometric drawings.
- Provide training and technical guidance to assistants and other subordinate staff.
- Prepare cost estimates.
- Order supplies and materials.
- Complete work records, logs and associated paperwork.

■ EDUCATION/EXPERIENCE

Education, training, and/or experience that demonstrate possession of the knowledge, skills and abilities listed above. Examples of qualifying education/experience are:

Plumber Assistant: One (1) year of work experience assisting a journey-level plumber.

Plumber: Four (4) years of varied plumbing experience, one year of which must have been at the journey-level; OR two (2) years of experience as a Plumber Assistant with the County of San Diego.

Senior Plumber: Five (5) years of varied journey-level plumbing experience, one year of which must have been in a lead/supervisory level; OR two (2) years of experience as a Plumber with the County of San Diego.

■ ESSENTIAL PHYSICAL CHARACTERISTICS

The physical characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of the classification(s). Reasonable accommodation may be made to enable an individual with qualified disabilities to perform the essential functions of a job, on a case-by-case basis.

Essential functions require hand-eye coordination to operate electrical power and hand tools, water system, and equipment used in the plumbing trade. While performing the duties, the incumbent is required to sit, stand, climb stairs and ladders, operate tools, and reach with hands and arms. Frequently lifts large and heavy objects, weighing up to 50 pounds, and occasionally up to 70 pounds. Total weight of objects worn and carried may be approximately 100 pounds.

■ SPECIAL NOTES, LICENSES, OR REQUIREMENTS

License

A valid California class C driver's license, which must be maintained throughout employment in this class, is required at time of appointment, or the ability to arrange necessary and timely transportation for field travel. Employees in this class may be required to use their own vehicle.

Certification/Registration

None Required.

Working Conditions

Work is performed both indoors and outdoors, sometimes in inclement weather conditions. Frequently exposed to moisture, electrical hazards, fumes, and cramped workspace. May be exposed to hazards of building maintenance (i.e., lead, asbestos, etc.) Incumbents are required to wear protective breathing apparatus. Subject to emergency overtime and/or call back work.

Background Investigation

Must have a reputation for honesty and trustworthiness. Misdemeanor and/or felony convictions may be disqualifying depending on type, number, severity, and recency. Prior to appointment, candidates will be subject to a background investigation.

Probationary Period

Incumbents appointed to permanent positions in these classes shall serve a probationary period of 6 months (Civil Service Rule 4.2.5).

New: March 10, 1960 (Plumber)

December 30, 1980 (Plumber Assistant)

December 29, 1983 (Senior Plumber)

Revised: October 27, 1994

Reviewed: Spring 2004

Revised: March 31, 2006

Plumber Assistant (Class No. 006230)

Plumber (Class No. 005950)

Senior Plumber (Class No. 005953)

Union Code: CR

Union Code: CR

Union Code: CR

Variable Entry: Y

Variable Entry: Y

Variable Entry: Y